Work done questions
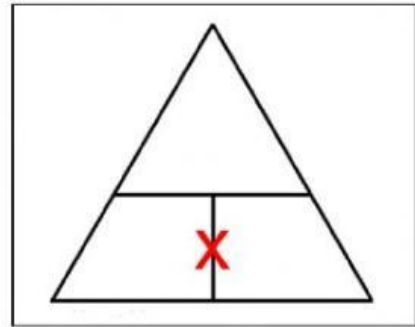
1. Put this formula into the formula triangle

   work done (J) = force (N) x distance (m)

2. Arsene Wenger pushes a box with a force of 60N over a distance of 10m. **Calculate the work done. Include the units.**

3. Philip Schofield bench presses 200N over a distance of 0.5m. **Calculate the work done by his muscles.**

4. Kim Kardashian weight lifts 150N. Her muscles use 100J of energy. **Calculate the distance she moves the weight.**

5. Olly Murs pushes a car uphill. He pushes with a force of 2.5kN over a distance of 2.5m. **Calculate the work done by his muscles.**

6. Beyonce bench presses 1.5kN using 3000J of energy. **Calculate the distance moved by the weights.**

HINT: 1kN = 1000 N